that will be needed; also, the waste wiers,   189,621

          Total for 31 miles,   †$1,793,048

Or an average of $57,840 per mile.

The average of $37,872 per mile, for the 27 miles next below the Cacapon, and of $57,840 per mile, for the 31 miles between the Cacapon and the South Branch, will make a common average of $48,545 for the whole distance of 58 miles between dam No. 5 and the South Branch, (or if, for comparison with previous estimates, we average for the additional distance of 4 3-4 miles saved by the tunnel, we have, for 62 3-4 miles, an average of $44,870 per mile.)

Cost of 27 miles below the Cacapon, as above, $1,022,534

Cost of 31 miles between the Cacapon and South Branch, as above,   1,793,048

Total cost between dam No. 5 and the South Branch, $2,815,582

The foregoing is a correct estimate, to the best of my knowledge and judgment, of the probable cost of the Chesapeake and Ohio Canal between dam No. 5 and the mouth of the South Branch, exclusive of land condemnations and fencing; and exclusive, also, of superintendence.

<div align="right">

CHARLES B. FISK,
A resident Eng. on the Chesapeake and Ohio Canal.

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DISTRICT OF COLUMBIA,   }
County *of Washington.*   } ss

Personally appears before the subscriber, a justice of the peace in and for the said county, Charles B. Fisk, a resident engineer in the service of the Chesapeake and

†For a comparsion with previous estimates, the sum of $1,793,048 should be averaged upon 35¾ miles, as the the tunnel shortens the distance from 35¾ to 31 miles, though without lessening the cost materially. This would reduce the average between the Cacapon and the South Branch to $50,155 per mile.